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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVI, No. 10 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — October, 1968

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1968, averaged 133,830 barrels daily, a decrease of 2,720 barrels from the average September production of 136,550.

The nine refineries in the state processed 96,061 barrels of crude oil daily for the month of October, 1968, a decrease of 27,866 barrels from the 123,927 barrels processed daily during the month of September, 1968.

During October, 84 wells were completed. 14 oil, 8 gas and 62 dry holes.

During October, the commission issued 118 permits to drill new wells, an increase of 36 from the 82 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF OCTOBER, 1968

IN STORAGE OCTOBER 1st	
By Producers	430,609
By Transporters	1,395,375
By Refiners	781,204
TOTAL STORAGE	2,607,188
Produced in Montana During Month	4,148,733
Imported During Month	2,187,691
TOTALS	8,943,612
DISPOSITION:	
Refined in Montana	2,977,913
Exported	3,490,314
Used for Fuel or Lost	8,069
TOTAL	6,476,296
IN STORAGE OCTOBER 31st	
By Producers	409,123
By Transporters	1,335,162
By Refiners	723,031
TOTAL STORAGE	2,467,316

NATURAL GAS WITHDRAWALS IN MONTANA

Month of October, 1968

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	84,867
Bowdoin	129,352
Bowes	42,307
Cabin Creek	83,817
Cedar Creek	217,006
Cut Bank (Including Reagan)	581,365
Devon	0
Dry Creek	38,599
Elk Basin	111,460
Flat Coulee	7,782
Gold Butte	10,802
Golden Dome	0
Grandview	78,413
Hardin	3,431
Keith Block	286,552
Kevin Sunburst	67,578
Lake Basin	103,837
Middle Butte	4,964
Mt. Lilly	23,227
Pine	88,895
Plevna	11,997
Utopia	100,498
Whitlash	97,650
Miscellaneous	149,358
TOTAL	2,323,757

Total withdrawals for October, 1967 were 2,635,610

PRODUCERS REPORT—MONTH OF OCTOBER, 1968

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	344	2,584		2,881		47
	Bannatyne		1,081					1,081
1	Bascom	1	247	65				312
4	Bear's Den	5	2,453	1,047	1,626			1,874
77	Bell Creek	319	99,653	1,471,867	1,480,943	906	3,724	85,947
1	Benrud	1	393	904	765			532
1	Benrud East	1	426	7,712	7,599			539
1	Benrud Northeast	1	596	6,538	6,537			597
1	Berthelote	1	479	328	209			598
5	Big Wall	22	1,983	19,644	20,124			1,503
5	Blackfoot	7	1,856	3,590	1,488	2,475		1,483
4	Border	5		1,346		1,346		
1	Bowes	63	3,697	14,169	12,488			5,378
1	Bradley	1	511	712	814			409
1	Brady	1	545	242	49			738
3	Brorson-Red River	3	3,350	29,996		30,008	812	2,526
2	Brush Mountain	2	596	7,038		6,735		899
2	Cabin Creek	105		306,326	306,326			
17	Cat Creek	72	2,305	15,139	13,602	1,190		2,652
1	Clark's Fork	1	48	189		191		46
2	Conrad South	2	662	830	830			662
1	Cupton	1	1,963	569		1,184		1,348
138	Cut Bank	880	70,854	349,490	349,223	592		70,529
2	Deer Creek	3	894	3,034	2,717			1,211
1	Delphia	1	411	309		425		295
	Devil's Basin		671					671
1	Dwyer	13	6,174	18,395	20,429			4,140
4	Elk Basin	67	2,448	213,001	213,249			2,200
5	Elk Basin Northwest	14	2,733	9,811	10,122			2,422
10	Fairview	11	11,128	79,033		77,093		13,068
2	Fertile Prairie	2	940	1,538	1,725			753
10	Flat Coulee	30	5,370	15,631	16,147			4,854
38	Flat Lake	56	6,573	71,029	71,603			5,999
1	Flat Lake South	1	564	1,288	1,526			326
2	Frannie	2		916	916			
18	Fred & George Creek	38	4,361	67,712	67,815			4,258
1	Gage	1	815	313	391			737
4	Gas City	24	7,913	31,807	31,689			8,031
11	Glendive	15	2,976	33,971	27,902	6,665		2,380
24	Goose Lake	31	5,058	56,020	56,235		422	4,421
9	Graben Coulee	26	4,697	7,462	6,308	1,554		4,297
	Grandview		528					528
	Gypsy Basin		1,326					1,326
9	Hiawatha	9	5,224	30,611	29,902			5,933
1	Hibbard	1	772	197		621		348
1	Injun Creek	1		2,634	2,041			593
5	Ivanhoe	10	1,910	8,896	8,445			2,361
8	Keg Coulee	24	5,506	18,074	16,966			6,614
2	Keg Coulee North	2	1,068	1,571	1,828			811
2	Kelley	5	1,010	14,610	14,630		87	903
102	Kevin Sunburst	533	16,364	37,022	26,748	11,178		15,460
8	Laird Creek	10	375	13,582		13,551		406
1	Little Beaver	1		31,987	31,987			
2	Little Beaver East*	14	1,595	19,141	18,931			1,805
3	Lodge Grass	3	1,279	1,814		1,742		1,351
1	Lookout Butte	36	949	40,401	41,137			213
2	Lookout Butte (Coral Creek)	37	410	66,227	66,316			321
2	Mackay Dome	2	595	307				902
2	Mason Lake	2	529	1,296	1,301			524
2	Melstone	4	1,007	2,282	2,230			1,059
1	Mineral Bench	1	527	1,557	1,305			779
3	Miner's Coulee	4	361	610		451		520
11	Monarch	15	4,165	20,487	19,095			5,557
4	Mosser	4		627		627		
6	Outlook	11	10,098	24,460		29,705		4,853
2	Outlook South	2	892	5,744		5,346		1,290
2	Outlook West	2	1,975	7,252		7,917		1,310
1	Pennel	153	8,843	146,505	139,373			15,975
4	Pine	121	20,285	294,880	296,128		1,652	17,385
1	Pole Creek	1	196	1,268		871		593
67	Pondera	283	8,945	27,439	28,295			8,089
4	Poplar	67	8,071	55,160	55,884		81	7,266
4	Poplar Northwest	4	2,255	1,777	2,387			1,645
1	Prairie Elk	1	783	539		651		671
4	Ragged Point	12	2,393	9,733	8,902			3,224
1	Rattlesnake Coulee	1	1,004	621	837			788
3	Reagan	46	429	22,179	22,025			583
1	Red Creek	26		23,790	23,790			
1	Red Fox	1	396	7,418	7,416			398
1	Redstone	1	992	5,527	5,848			671
11	Repeat	1	184	1,200		1,200		184
4	Reserve	4		15,225		15,225		
1	Richey	1	730	280	660			350
6	Richey Southwest	8	766	6,454	6,500			720
5	Sand Creek	8	1,425	11,096	10,135			2,386
1	Shotgun Creek	1	256	1,271		1,406		121
3	Sidney-Brorson	3	1,524	4,951		4,765		1,710
2	Smoke Creek	3	1,267	470		1,055	33	649
1	Snyder	3	310	250		250		310
8	Soap Creek	18	3,473	5,928		4,916		4,485
1	Spring Lake	2	2,438	2,581		3,911		1,108
1	Stensvad	21	3,574	20,243	19,402			4,415
26	Sumatra	91	10,868	63,956	62,201		53	12,570
5	Tule Creek	6	3,271	40,013		40,963		2,321
2	Tule Creek East	2	804	17,063		16,803		1,064
2	Tule Creek South	3	1,129	11,229		11,229	83	1,046
2	Vida	2	764	1,483	1,708			539
4	Volt	6	2,253	17,927	17,197			2,983
2	Weed Creek	3	1,340	11,191	11,660		44	827
5	Weldon	13	1,428	57,575	58,038		9	956
1	West Butte	1		6,400	6,400			
17	Whitlash	34	8,055	17,633	17,965			7,723
2	Whitlash West	2	553	685	442			796
3	Wills Creek South	3	121	5,348	5,140			329
6	Wolf Springs	9	4,432	6,189	8,411			2,210
3	Woodrow	3	288	2,620	2,559			349
1	Wildcat, Blaine Cty.	2	158	592		340		410
1	Wildcat, Carbon Cty.	1	914	14				928
1	Wildcat, Daniels Cty.	1	393	82	336			139
2	Wildcat, Glacier Cty.	4	982	1,254	1,521			715
2	Wildcat, Richland Cty.	2	3,318	16,812		17,961		2,169
1	Wildcat, Sheridan Cty.	1	1,204	544	709		43	996
1	Wildcat, Stillwater Cty.	1	1,562	354	1,119			797
823	Totals	3,545	430,609	4,148,733	3,837,247	325,929	7,043	409,123

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1967	34,959,026	96,778	34,845,434	95,466
First Quarter, 1968	10,606,010	116,549	10,556,409	116,004
Second Quarter, 1968	12,517,926	137,559	12,520,339	137,586
Third Quarter, 1968	13,005,693	141,366	12,997,682	141,279
October, 1968	4,148,733	133,830	4,163,176	134,296

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total Oil In Storage‡
December, 1967	423,176	1,063,477	632,990	2,119,643
March, 1968	457,799	1,206,686	841,174	2,505,659
June, 1968	442,059	1,477,769	1,023,508	2,943,336
September, 1968	430,609	1,395,375	781,204	2,607,188
October, 1968	409,123	1,335,162	723,031	2,467,316

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF OCTOBER, 1968

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,881				2,881		
BEAR'S DEN—Truck		1,626						1,626	
BELL CREEK—Pipelines		1,480,943	906				846,332	635,517	
BIG WALL—									
Continental Pipeline Co.		20,124				20,124			
BLACKFOOT—									
Camerland Cardinal Corp.			2,475					2,475	
Union Oil Co.		1,488				1,488			
		1,488	2,475			1,488		2,475	
BORDER—Truck			1,346				1,346		
BOWES—Texaco		12,488				12,488			
BRORSON-RED RIVER—									
Rock Island Oil & Ref. Co.			30,008				30,008		
BRUSH MOUNTAIN—									
Sinclair Ref. Co			6,735				6,735		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	306,263	733,478	9,700	1,373,410			2,116,153		306,698
Shell Pipeline Co.	4,289	277,080			(814)			275,009	7,174
	310,552	1,010,558	9,700	1,373,410	(814)		2,116,153	275,009	313,872
CAT CREEK—									
Continental Pipeline Co.		13,602				13,602			
Truck			1,190			1,190			
		13,602	1,190			14,792			
CLARK'S FORK—Truck			191				191		
CUT BANK—									
Continental Pipeline Co.			27,326	604,146				631,472	
Phillips Petroleum Co.	64,329	46,696		64,785		115,217			60,593
Texas Pipeline Co.	33,955	120,209		29,441	293			136,880	46,432
Union Oil Co.	102,041	74,318		37,426	1,047	117,206			95,532
Western Oil Trans. Co.		46,435						46,435	
Western Oil Trans. (Moulton)		47,644						47,644	
	200,325	335,302	27,326	735,798	1,340	232,423		862,431	202,557
DELPHIA—Truck			425			425			
DWYER—Portal Pipeline Co.		20,112					20,112		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		222,799				222,799			
FAIRVIEW—Truck			77,093				38,693	38,400	
FLAT COULEE—									
Camerland Cardinal Corp.		13,742				10,500		3,242	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		66,554					66,554		
FRANNIE—Interstate Pipeline Co.		916					916		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	5,609	70,751				25,126		37,156	14,078
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	9,805	36,405			(173)			37,984	8,399
GOOSE LAKE—									
Portal Pipeline Co.		55,393					55,393		
HIAWATHA—									
Continental Pipeline Co.		22,549					22,549		
HIBBARD—Truck			621			621			
IVANHOE—									
Continental Pipeline Co.		8,451				8,451			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		19,288				15,523	3,765		
KELLEY—									
Continental Pipeline Co.		14,360				14,360			
KEVIN SUNBURST—									
Big West Oil Co.	4,009	26,634				25,947			4,696
Homestake Oil & Gas Co.	4,591	2,543				3,954			3,180
Texas Pipeline Co.	7,024	13,609			229			9,167	11,237
	15,624	42,786			229	29,901		9,167	19,113
LODGE GRASS—Truck			1,742			1,742			
MASON LAKE—									
Continental Pipeline Co.		1,385				1,385			
MELSTONE—									
Continental Pipeline Co.		2,230				2,230			
MOSSER—Truck			627				627		
OUTLOOK & OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			42,968				42,968		
POLE CREEK—Truck			871				871		
PONDERA—Phillips Petr. Co.	39,813	29,902		115,217	176	136,782			47,974
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	24,161	149,155			(309)			153,559†	20,066
RAGGED POINT—									
Continental Pipeline Co.		9,250				9,250			
RED CREEK—									
Western Oil Transportation Co.		27,619						27,619	
RESERVE—Truck			15,225				15,225		
SHOTGUN CREEK—Truck			1,406				1,406		
SIDNEY-BRORSON—Truck			4,765					4,765	
SMOKE CREEK—Truck			1,055				1,055		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			3,911				3,911		
SNYDER—Truck			250			250			
SOAP CREEK—Truck			4,916				4,916		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	786,455	72,525		291,567	(1,492)	54,827		401,590	695,622
TULE CREEK—									
Tesero Petr. Corp.	3,031		68,995			58,545			13,481
WEED CREEK—									
Continental Pipeline Co.		11,660				11,660			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		19,878				14,874		5,004	
WOLF SPRINGS—									
Continental Pipeline Co.		8,411				8,411			
WILDCAT WELLS—Truck			18,301				18,301		
TOTALS	1,395,475	3,802,252	325,929	2,515,992	(1,043)	908,977	3,300,908	2,495,544	1,335,162

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF OCTOBER, 1968

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		20,124								20,124
Bowes			12,047							12,047
Cat Creek		13,704								13,704
Cut Bank	38,798						107,425		101,765	247,988
Elk Basin		83,992		56,501	74,222					214,715
Flat Coulee									10,500	10,500
Fred & George Creek	25,126									25,126
Ivanhoe		8,451								8,451
Keg Coulee		2,287		13,236						15,523
Kelley					14,360					14,360
Kevin Sunburst	25,947									25,947
Lodge Grass		1,742								1,742
Mason Lake		1,385								1,385
Melstone				2,230						2,230
Pondera							13,131			13,131
Ragged Point				9,250						9,250
Snyder		250								250
Sumatra & Stensvad		15,441		24,830	14,556					54,827
Tule Creek								63,978		63,978
Weed Creek					11,660					11,660
Whitlash							14,874			14,874
Wolf Springs					8,411					8,411
Total Montana Oil	89,871	147,376	12,047	106,047	123,209		135,430	63,978	112,265	790,223
Canadian Oil Imported		546,987			29,380					576,367
Wyoming Oil Imported				531,611	1,079,713					1,611,324
Total Montana, Canadian, and Wyoming Oil	89,871	694,363	12,047	637,658	1,232,302		135,430	63,978	112,265	2,977,914

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1967	29,156	13,866	58,527	101,549
October, 1967	29,516	6,776	51,657	87,949
October, 1968	25,491	18,592	51,978	96,061

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1967	28.71%	13.65%	57.64%
October, 1967	33.56%	7.71%	58.73%
October, 1968	26.54%	19.35%	54.11%